

## 39. DESMIDS OF MARATHWADA, MAHARASHTRA

The algae of Marathwada division of the Maharashtra State have not been studied so far. I collected 327 vials of algae from Aurangabad, Pali, Bhir, Osmanabad, Parbhani and Nanded from Marathwada region during October 1969. The rainfall for the different places of collections varies from 50 to 150 cm. The pH of the water of the collection spots was determined by using B.D.H. Universal indicator and is mentioned in the bracket immediately after the collection spots in the habitats. Camera lucida diagrams of all these algae have been drawn.

In this note, sixty-one desmids belonging to the genera *Gonatozygon*, *Pleurotaenium*, *Closterium*, *Cosmarium*, *Euastrum* and *Staurastrum* are recorded for the first time. *Closterium leibleinii* Kuetz., *Cosmarium formosulum* Hoff., *C. laeve* Rabenh., *Euastrum spinulosum* Delp. and *Staurastrum gracile* Ralfs are the common taxa in this region.

***Gonatozygon monotaenium*** de Bary  
In Moti talao (8.5), Jalna.

The cells are sometimes bent.

***Pleurotaenium trabecula*** (Ehrenb.)  
Naeg. v. *rectum* (Delp.) W. et G. S. West

In Moti talao (8.5), Jalna. Common in a pond (8.8), Osmanabad. In a puddle (8.4), Nanded.

***Closterium incurvum*** Breb.

Rare. In Harsool lake (8.5), Aurangabad.

***C. kolhapurensis*** Kamat v. *minus*  
Kamat

In side pools, Khadkali stream (8.7), Pali.

***C. leibleinii*** Kuetz.

In a side pool, Khadkali stream (8.7), Pali. In Bindusara stream (8.7), Bhir. In Harsool lake (8.5), Aurangabad. In a pool (8.4), Nanded.

***C. littorale*** Gay

In Harsool lake (8.5), Aurangabad.

***C. parvulum*** Naeg.

In a pond (8.8), Osmanabad. In Harsool lake (8.5), Aurangabad. In Kundlika stream (8.3), Jalna. In a streamlet (8.2), Parbhani.

***C. subulatus*** (Kuetz.) Breb.

In a pond (8.8), Osmanabad.

***C. tumidulum*** Gay

In Moti talao (8.5), Jalna. In Kundlika stream (8.3), Jalna. In Bhogavati stream (8.4), and in a pond (8.8),

Osmanabad. In a puddle (8.2), Parbhani.

***C. venus*** Kuetz.

In Moti talao (8.5), Jalna. In a dirty water pool (8.4), and in Harsool lake (8.5), Aurangabad.

***Cosmarium abbreviatum*** Racib.

In a ditch (8.6), and in Bhogavati stream (8.4), Jalna.

***C. abbreviatum*** Racib. f. *pygmaca*  
Messik.

In Harsool lake (8.5), Aurangabad.

***C. angulosum*** Breb.

In Moti talao (8.5), Jalna. In a pond (8.8), Osmanabad.

***C. angulosum*** Breb. v. *concinnum*  
(Rabenh.) W. et G. S. West

In Bindusara dam (8.7), Bhir.

***C. auriculatum*** Reinsch

Common in Moti talao (8.5), Jalna.

***C. connatum*** Breb.

In Moti talao (8.5), Jalna.

***C. contractum*** Kirchner v. *minutum*  
W. et G. S. West

Common in Harsool lake (8.5), Aurangabad.

***C. formosulum*** Hoff.

Common. In Moti talao (8.5) and in Kundlika stream (8.3), Jalna. In Bhogavati stream (8.4), Osmanabad. In Harsool lake (8.5), Aurangabad. In Bindusara stream (8.7), Bhir. In a pool (8.4), Nanded.